

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,320,693 B2
APPLICATION NO. : 10/645405
DATED : January 22, 2008
INVENTOR(S) : Pollak et al.

Page 1 of 2

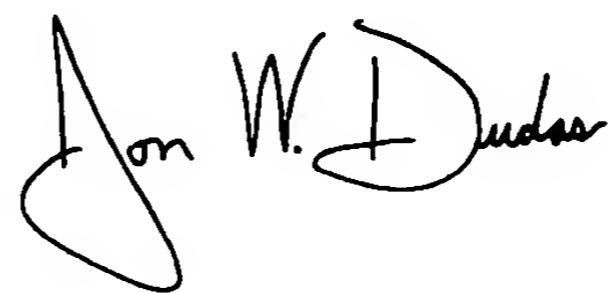
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page: should be **deleted**

Item (12 & 76) should read item -- (12) Pollak -- and item -- (76)
Stanley B. Pollak, -- therefore the attached title page.

Signed and Sealed this

Fifth Day of August, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) United States Patent
Pollak et al.(10) Patent No.: US 7,320,693 B2
(45) Date of Patent: Jan. 22, 2008(54) METHODS AND INSTRUMENTS FOR
CLOSING LAPAROSCOPIC TROCAR
PUNCTURE WOUNDS(76) Inventors: Stanley B. Pollak, 71 Forest Ave.,
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NY (US) 11733(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 854 days.

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(58) Field of Classification Search 606/144-148,
606/150, 215, 221, 220, 232, 139, 213; 289/10,
289/17

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,779,616 A	10/1988	Johnson
5,195,505 A	3/1993	Josefson
5,330,488 A	7/1994	Goldsmith
5,364,410 A	11/1994	Failla et al.
5,391,182 A	2/1995	Chin
5,437,681 A	8/1995	Meade et al.
5,439,469 A	8/1995	Heaven et al.
5,462,560 A	10/1995	Stevens

5,474,568 A	12/1995	Scott	
5,476,470 A	12/1995	Fitzgibbons, Jr.	
5,503,634 A	4/1996	Christy	
5,562,688 A	10/1996	Riza	
5,591,180 A	1/1997	Hinchliffe	
5,697,889 A	12/1997	Slotman et al.	
5,716,369 A	2/1998	Riza	
5,722,981 A *	3/1998	Stevens	606/148
5,741,277 A	4/1998	Gordon et al.	
5,830,232 A	11/1998	Hasson	
5,836,956 A	11/1998	Buelna et al.	
5,954,734 A *	9/1999	Thomason et al.	606/148
5,984,948 A *	11/1999	Hasson	606/213
5,993,466 A	11/1999	Yoon	
6,152,936 A	11/2000	Christy et al.	
6,245,080 B1 *	6/2001	Levinson	606/144

* cited by examiner

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(57) ABSTRACT

An instrument for applying a suture to a trocar wound includes an obturator coupled to a central shaft and a coaxially disposed skin pressure plate. The obturator and skin pressure plate are movable relative to each other, and function together to position the tissue and needles relative to each other. The skin pressure plate is provided with two spaced apart needle guides. A pair of hollow needles, held in the guides of the pressure plate are coupled to a needle mounting plate which is movable over the central shaft. One of the needles is provided with a suture control mechanism for moving a suture through the needle and the other needle is provided with a snare control mechanism for moving a snare through the needle.

7 Claims, 6 Drawing Sheets

